

REMARKS

Independent claim 2 has been amended to claim a conductive coating that contains simultaneously ion deposited, contiguous, metal-ion-accelerated metal atoms and carbon-ion-accelerated diamond-like carbon atoms.

Dependent claim 3 has been amended to claim that the metal-ion-accelerated metal atoms are copper-ion-accelerated copper atoms.

Dorfman et al. does not teach or suggestion an electrically conductive coating containing simultaneously ion deposited, contiguous, metal-ion-accelerated metal atoms and carbon-ion-accelerated diamond-like carbon atoms. The simultaneously deposited metal-ion-accelerated metal atoms and carbon-ion-accelerated diamond-like carbon atoms of applicants form a more homogeneous electrically conductive coating than does a conductive coating that contains sputtered metal atoms within diamond-like carbon, as taught by Dorfman et al..

Lines 35 to 44 incl. of column 8 of Dorfman et al. teaches one skilled in the art to sputter a metal in order to co-deposit the metal and a diamond-like carbon film. Lines 42, 44 and 44 incl. of column 8 of Dorfman et al. specifically teaches sputtering a metal, for co-deposition of the metal.

Sputtering involves melting a metal in a vacuum. The melted metal splatters onto a substrate. Globs of metal are randomly deposited by use of sputtering of a metal, during co-deposition with a diamond-like carbon film.

Dorfman et al. does not ionize a metal to form metal ions. Dorfman et al. does not ion-accelerate the metal ions. Dorfman et al. does not simultaneously ion-accelerate metal ions and ion-accelerate carbon ions, onto slip-rings. Dorfman et al. does not form a

It is respectfully submitted that the present patent application is now in condition for allowance and early allowance is respectfully requested. Entrance of the present amendment is respectfully requested.

Respectfully Submitted,



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